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EXAMINER
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WON, MICHAEL YOUNG

ART UNIT	PAPER NUMBER
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2155

MAIL DATE	DELIVERY MODE
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05/29/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

09/410,494

Applicant(s)

PIERSOL ET AL.

Examiner

Michael Y. Won

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 05 March 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-25,30,31 and 35-37 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-25,30,31 and 35-37 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

### **DETAILED ACTION**

1. This action is in response to the amendment filed March 5, 2007.
2. Claims 1, 3, 4, 6, 7, 12, 13, 15, 16, 18, 19, and 24 have been amended.
3. Claims 1-25, 30, 31, and 35-37 have been examined and are pending with this action.

### ***Claim Objections***

4. The objections to claims 1 and 13 are withdrawn based on the amendment.

### ***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

5. Claims 2, 9, 14 and 21 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 2, and 14 recite the limitations "local network device", and claims 9 and 21 recite the limitation "local network search". There is insufficient antecedent basis for these limitations in the claim.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

6. Claims 1-7, 9, 10, 12-19, 21, 22, 24, 25, 30, 31, and 35-37 are rejected under 35 U.S.C. 103(a) as being anticipated by Singhal (US 6,370,527 B1).

**INDEPENDENT:**

As per **claim 1**, Singhal teaches a method comprising:

generating, automatically with an electronic device without user intervention, a private local network search request (see col.3, lines 15-29: "intranet" and "LAN") in response to an original search request (see col.1, lines 34-38: "the apparatus includes a meta-search engine device that... submits the search query to a plurality of search engine devices and compiles the result"; and col.2, lines 17-20: "Met-search engines

have been deployed to alleviate manually repeating the entry of search queries into a number of different search engines by automatically entering the search terms into plurality of search engines”), the private local network search request to cause a search to be performed on electronic documents stored by a device that is part of a private local network (see col.3, lines 15-29: “intranet”), the private local network search request making the documents searchable by electronic devices belonging to an organization corresponding to the electronic device and not searchable by remote electronic devices not corresponding to the organization (inherent: intranets are networks not ordinarily or generally available to the public), and wherein one or more of the documents are saved in the absence of an explicit command by the user to save the electronic documents, but saved in response to another user specified function associated with the electronic documents (see col.6, lines 38-40: “receives the results of each of the search engine devices 140-160 and stores them in memory”), the search of the electronic documents on the private local network to be performed according to search parameters of the original search request (see col.2, lines 17-20: “alleviate manually repeating the entry”) and without making available the electronic documents to search requests of remote electronic device outside the private local network (inherent: intranets are networks not ordinarily or generally available to the public.);

generating, automatically with the electronic device without having to wait for a search result of the private local network search request from the private local network and in addition to the private local network search request (see col.6, lines 38-45: “the controller 200 receives the results of each of the search engine devices 140-160”), an

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external network search request (see col.3, lines 15-29: "Internet" and "WAN") in response to the original search request, the external network search request to cause a search to be performed on electronic documents available from devices that are part of an external public network via a network portal (see Fig.4, #210 and col.4, lines 19-21: network interface) of an external network according to the search parameters of the original search request (see col.1, lines 34-38); and

generating a single search report at the electronic device based on the search result of the private local network search request and the public external network search request (see col.1, lines 54-62: "compiled listing" and col.2, lines 43-46: "single ranked list").

As per **claim 13**, Singhal teaches a machine-readable medium having stored thereon sequences of instructions that, when executed by one or more processors (see 7, lines 31-44), cause one or more electronic devices to:

generate, automatically with an electronic device without user intervention, a private local network search request (see col.3, lines 15-29: "intranet" and "LAN") in response to an original search request (see col.1, lines 34-38: "the apparatus includes a meta-search engine device that... submits the search query to a plurality of search engine devices and compiles the result"; and col.2, lines 17-20: "Met-search engines have been deployed to alleviate manually repeating the entry of search queries into a number of different search engines by automatically entering the search terms into plurality of search engines"), the private local network search request to cause a search

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to be performed on electronic documents stored by a device that is part of a private local network (see col.3, lines 15-29: "intranet"), the private local network search request making the documents searchable by electronic devices belonging to an organization corresponding to the electronic device and not searchable by remote electronic devices not corresponding to the organization (inherent: intranets are networks not ordinarily or generally available to the public), and further wherein one or more of the documents are saved in the absence of an explicit command by the user to save the electronic documents, but saved in response to another user specified function associated with the electronic documents (see col.6, lines 38-40: "receives the results of each of the search engine devices 140-160 and stores them in memory"), the search of the electronic documents on the private local network to be performed according to search parameters of the original search request (see col.2, lines 17-20: "alleviate manually repeating the entry") and without making available the electronic documents to search requests of remote electronic device outside the private local network (inherent: intranets are networks not ordinarily or generally available to the public);

generate, automatically with the electronic device without having to wait for a search result of the private local network search request from the private local network and in addition to the private local network search request (see col.6, lines 38-45: "the controller 200 receives the results of each of the search engine devices 140-160"), an external network search request (see col.3, lines 15-29: "Internet" and "WAN") in response to the original search request, the external network search request to cause a search to be performed on electronic documents available from devices that are part of

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an external public network via a network portal (see Fig.4, #210 and col.4, lines 19-21: network interface) of an external network according to the search parameters of the original search request (see col.1, lines 34-38); and

generate a single search report at the electronic device based on the search result of the private local network search request and the public external network search request (see col.1, lines 54-62: "compiled listing" and col.2, lines 43-46: "single ranked list").

As per **claim 25**, Singhal teaches of an apparatus comprising:

a first device to automatically capture electronic documents (see col.2, lines 24-28) from a private local network (see col.3, lines 15-29: "intranet" and "LAN"), the private local network making the documents searchable by electronic devices belonging to an organization corresponding to the electronic device and not searchable by remote electronic devices not corresponding to the organization (inherent: intranets are networks not ordinarily or generally available to the public); and

an application to be executed by the first device to search the captured electronic documents that have been saved in the absence of an explicit command by a user to save the electronic documents, but saved in response to another user specified function associated with the electronic documents in response to a search request (see col.6, lines 38-40: "receives the results of each of the search engine devices 140-160 and stores them in memory"), wherein the application also generates an external document search request in response to the search request without having to wait for a search



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result of the local network (see col.6, lines 38-45: "the controller 200 receives the results of each of the search engine devices 140-160") and without making available the electronic documents to search requests of remote electronic device outside the local network (inherent: intranets are networks not ordinarily or generally available to the public),

wherein the first device transmits the external document search request to a second device on an external public network (see col.1, lines 35-38: "plurality of search engine devices"), wherein the second device on the external public network performs the external document search request to generate a search of electronic documents from an external network (see col.3, lines 15-29: "Internet" and "WAN"), and

wherein the first device combines the private local network (see col.3, lines 15-29: "intranet" and "LAN") and the external public network (see col.3, lines 15-29: "Internet" and "WAN") search results to generate a single search report (see col.1, lines 54-62: "compiled listing" and col.2, lines 43-46: "single ranked list").

**DEPENDENT:**

As per **claims 2 and 14**, which depend on claims 1 and 13, respectively, Singhal further teaches wherein the local network device comprises a file management appliance (see Fig.3, #130: meta-search engine).

As per **claims 3 and 15**, which depend on claims 2 and 14, respectively, Singhal further teaches wherein the file management appliance generates the private local

network search request and the external network search request (see col.2, lines 43-46).

As per **claims 4 and 16**, which depend on claims 2 and 14, respectively, Singhal further teaches wherein the file management appliance performs a search of the unconsciously captured electronic documents in response to the private local network search request (implicit: see col.2, line 17-20).

As per **claims 5 and 17**, which depend on claims 2 and 14, respectively, Singhal further teaches an Internet (see col.3, line 18) portal performs a search of the electronic documents available via a network portal of an external network in response to the external network search request (implicit).

As per **claims 6 and 18**, which depend on claims 1 and 13, respectively, Singhal further teaches wherein the private local network search request and the external network search request are generated by a portal appliance in response to the original search request (see Fig.3).

As per **claims 7, 19, and 35**, which depend on claims 1, 13, and 25, respectively, Singhal further teaches generating a single search report is generated by combining at least a portion of content from the search results of the private local network search request and the external network search request without revealing the associated unconsciously captured electronic documents of the private local network to the external network and vice versa (implicit: see Fig.3 and Fig.6, the meta-search engine send the query to number of different search engines then receives the results of each for

sorting, therefore, no data is shared among the different search engines in different networks).

As per **claims 9, 21, and 36**, which depend on claims 7, 19, and 25, respectively, Singhal further teaches wherein the single search report is generated by integrating the external and local network search results (see col.1, lines 39-41 and 54-62), wherein the external network search result specifies where and how the local network search result to be integrated into the external network search result in order to form the single search report (implicit: Singhal teaches of a scoring method (see col.10, lines 15-22) of combining the results into a single list, therefore, it is implicit that the scores of both networks specifies where and how the search results of the other network is to be integrated).

As per **claims 10 and 22**, which depend on claims 7 and 19, respectively, Singhal further teaches wherein the search report comprises an advertisement selected based on the external network search request (see col.4, lines 41-44).

As per **claims 12 and 24**, which depend on claims 1 and 13, respectively, Singhal further teaches generating a third search request in response to the original search request, the third search request to cause a search to be performed on electronic documents available via a second network portal of the external network according to the search parameters of the original search request; analyzing search results of the private local network search request, the external network search request, and the third search request; and generating the single search report in response to the analysis of the search results, wherein the single search result is generated in

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accordance with a format specified by the electronic device (see claim 1, 13, and 25 rejection above; and col.1, lines 36-37: "submits the search query to a plurality of search engine devices")

As per **claims 30 and 31**, which depends on claim 25, Singhal further teaches wherein external document search is performed by an Internet portal (see col.10, line 40: Internet, and Fig.1, no.150) and wherein the search of captured electronic documents is performed by the device (see col.10, lines 24-34).

As per **claim 37**, which depends on claim 25, Singhal further teaches wherein the first device further generates a second external network search request to the external network which is performed by a third device on the external network and analyzes the search results of the captured electronic documents, the external document search request, and the second external network search request, wherein the single search report is generated in response to the analysis of the search results and the single search report is generated in accordance with a format specified by the first device (see claim 12 and 24 rejection above and col.3, lines 31-45).

7. Claims 11 and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Singhal (US 6,370,527 B1) as applied to claims 1, 7, 13, and 19 above, and further in view of Rakavy et al. (US 5,913,040 A).

Singhal teaches all the limitations of **claims 11 and 23**, except wherein the search report comprises an advertisement selected based on analysis of documents indicated by search results.

Rakavy teaches of a search report comprising an advertisement selected based on analysis of documents indicated by search results (see col.1, lines 20-22 & 35-42).

It would have been obvious to a person of ordinary skill in the art, at the time the invention was made, to employ the teaching of Rakavy within the system of Walls, by employing search reports comprising an advertisement generated from search results, because this would allow searching systems like Walls' to generate revenue from companies who wish to advertise to customers using such systems, in similar fashion to web site advertising methods currently employed. Furthermore, Singhal suggests the employment of advertising within the multi-search method and program (see col.4, lines 41-44).

8. Claims 8 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Singhal (US 6,370,527 B1) as applied to claims 1, 7, 13, and 19 above, and further in view of Nasr et al. (US 6,263,332 B1).

Singhal teaches all the limitations of **claims 8 and 20**, except wherein the search report is one of a Hypertext Markup Language (HTML) document and an Extensible Markup Language (XML).

Nasr teaches of a search report is one of a Hypertext Markup Language (HTML) document and an Extensible Markup Language (XML) (see col.2, lines 20-27 and col.8, lines 7-8 & 61-64).

It would have been obvious to a person of ordinary skill in the art to employ the teachings of Nasr within the system of Singhal by implementing HTML and XML

documents within the searching method and program because Singhal teaches that the networks may comprise an Internet and Nasr teaches that XML and HTML are languages for establishing documents in the Internet or World Wide Web.

### ***Response to Arguments***

9. Applicant's arguments filed March 5, 2007 have been fully considered but they are not persuasive.

The applicant(s) argue that Singhal does not teach the limitations of claims 1, 13 and 25, "wherein one or more of the documents are saved in the absence of an explicit command by the user to save the electronic documents, but saved in response to another user specified function associated with the electronic documents" and searching a private network "without making available the electronic documents to search requests of remote electronic devices outside the private local network.

In response to the first limitation, the limitation describes what the applicant(s) define as term "unconsciously capture". The specification states on page 13, lines 3-6, that "In general, unconsciously capture refers to FMA 150, or other device, automatically capturing documents processed by the network 100 or devices coupled to network 100 without user intervention". Based on this definition, it is clear that any device that performs storing or caching without a user specifically directing the device to perform this action, reads on this broad limitation. Therefore, since Singhal does not teach a user explicitly causing documents to be save, but merely performing a search

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request (see col.6, lines 30-32: "receives a query containing search terms from a user device"), coupled with the citations that "the controller 200 receives the results of each of the search engine devices 140-160 and stores then in memory" (see col.6, lines 38-40), this broad limitation is clearly and explicitly taught.

In response to the second limitation, Singhal teaches that the invention can be employed in any networks including an "intranet" as well as including more than one network such as within a plurality of different types of networks (see col.3, lines 15-29). One of ordinary skill in the art knows that the Intranet is a private network wherein the distributions of information (i.e. documents) are **within** the company (not available outside). The applicant(s) are suggested to visit the FOLDOC web site to search this term, specifically <http://foldoc.org/index.cgi?query=intranet&action=Search>.

Additionally, the applicant(s) argue that since Singhal fails to describe a "meta-search engine device 130 distinguishing between different networks types during a network search", "when search of both intranet and a public network is performed by the meta-search engine, the meta-search engine returns search results that include content from the intranet" (see Remarks on page 15). The applicant(s) add that, "Singhal describes that a search request is explicitly provided to any user device with **access** to a network" (emphasis added by examiner), and conclude that, "any public user device with network **access** that initiates the meta-search of Singhal... would have access to the intranet" (emphasis added by examiner).

The assertion seems to be implying that "any public user device would have access to the intranet". This assertion is improper and contradicts knowledge known to

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one of ordinary skill in the art. One of ordinary skill in the art knows that if an intranet was employed the search would originate from **within** (emphasis added) the company including from any user device with **access** to (emphasis added) the intranet (not physically within by remotely within) and therefore "any public user device with network (intranet) **access** would have access to the intranet".

For the reasons above and the rejection set forth above, all claims dependent upon claims 1, 13, and 25 remain rejected.

### ***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.



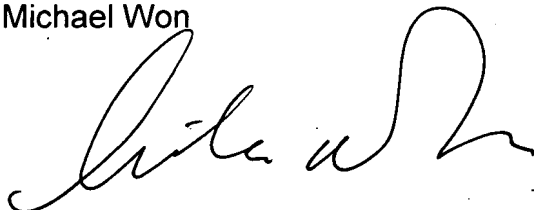
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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Y. Won whose telephone number is 571-272-3993. The examiner can normally be reached on M-Th: 7AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on 571-272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Michael Won

A handwritten signature in black ink, appearing to read 'Michael Won', with a stylized, flowing script.

May 13, 2007